GENERAL INFORMATION

PROCEDURE FOR HANDLING CHASSIS/DEALER CLAIMS

General

All chassis tendered for delivery by the Transportation Company are to be accepted by the Body Company. If a chassis has been damaged or is short certain parts when received by the Body Company, they will repair or replace missing parts, if possible, with their own or other local facilities and promptly forward the claim to the dealer.

If the Body Company or other local facilities are not adequate for replacing missing or damaged parts, the Body Company will promptly notify the Dealer and hold damaged chassis awaiting his instructions. The Dealer must be notified promptly upon receipt of a chassis on which a claim is in order giving the "model", "engine number," and "serial number" and what the damage or shortage consisted of. This is important since Chevrolet/GMC Truck cannot accept claims from the Dealer unless filed within thirty days from date of delivery, or unless within the thirty-day period, the Dealer has advised Chevrolet/GMC Truck that a claim will be filed. Delivery to the Body Company constitutes delivery to the Dealer, since the Body Company is the Dealer's agent.

Completed vehicles that are to be driven to the Dealer or the Dealer's customer must first be serviced by the Body Company at the Body Company's location in accordance with Chevrolet/GMC Truck new vehicle conditioning procedures. Expenses incurred for this condition are the responsibility of the selling Dealer.

Shipments Received from Truckaway or Driveaway Company

The Body Company will inspect condition of chassis and call driver's attention to damage or missing parts and make a detailed notation of both copies of Transportation Company's delivery receipt of the nature and extent of the existing damage and/or shortage and have driver sign such notation on the Dealer's copy. If chassis are received after business hours and cannot, therefore, be adequately inspected, the delivery receipt (both copies) is to carry notation "Received subject to inspection" and show the time and date. On such chassis, a detailed inspection must be made within 24 hours or on the first working day after receipt of chassis and immediately furnish to the Dealer. Any exceptions are to be noted on both copies of the delivery receipt by the Body Company.

If Received from Railroad

Freight car should be opened and contents inspected in presence of railroad representative before starting to unload, and any existing damage or shortage recorded by the railroad representative on his standard inspection report. Body Company must secure from railroad agent, a copy of his inspection report detailing nature and extent of the damage and/or shortage.

If the railroad representative does not comply with consignee's request to make an inspection, then the Body Company will immediately confirm his request (in writing) to the railroad agent, outlining the nature and extent of damage and/or shortage disclosed by consignee's inspection, prior to starting any unloading operations, sending a copy of his letter to the Dealer.

Filing a Claim

Upon completion of repairs or replacements of missing parts, the Body Company will promptly bill the Dealer for the cost involved, supporting such debit with a detailed statement showing how the amount is arrived at end either the original delivery receipt with notation if received from a truckaway company or the carrier's inspection report if received from a railroad.

Disposition of Damaged Parts

Damaged parts removed from chassis by the Body Company must be held for disposition orders from the Dealer.

Dealer claims will not be allowed unless above instructions are fully complied with.

GOVERNMENT REGULATIONS

Introduction

The Federal Government has established Motor Vehicle Safety Standards for various categories of motor vehicles and motor vehicle equipment under the provisions of the National Traffic and Motor Vehicle Safety Act of 1966. The Act imposes important legal responsibilities on manufacturers, dealers, body builders and others engaged in the manufacturing and marketing of motor vehicles and motor vehicle equipment.

Questions dealing with the specific application of the Act or the standards to your business should be discussed with your legal counsel. This is particularly so because the standards and other requirements or interpretations are subject to change by the government agency in charge, the National Highway Traffic Safety Administration.

New standards and amendments issued by the National Highway Traffic Safety Administration will appear in the Federal Register from time to time. You may obtain the Federal Register, through the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Responsibility for Complete Vehicle Performance

General Motors performs extensive testing on all trucks described in this book. Major changes to a complete vehicle or the installation of a body on an incomplete truck chassis will, however, affect vehicle performance.

It is the responsibility of the body and equipment manufacturers to validate final completed vehicle performance. Total vehicle system performance tests may be required. The test schedule must reflect the type of vehicle system loading to which the completed vehicle will be subjected, and must also include consideration of all aspects of performance, e.g., durability, ride, handling, etc.

Noise Emission Standards for Transportation Equipment - Medium and Heavy Trucks

40 CFR PART 205

The U.S. Environmental Protection Agency (EPA) has established noise emission standards applicable to vehicles (in general vehicles in excess of 10,000 pounds GVWR capable of transportation of property on a street or highway) manufactured after January 1, 1978, under the provisions of the Noise Control Act of 1972. The standards provide that vehicles manufactured after January 1, 1978, when tested pursuant to EPA's prescribed test procedure, must conform to an 83 dBA level and vehicles manufactured after January 1, 1988 must conform to an 80 dBA level.

The Act and the standards impose legal obligations on vehicle manufacturers and subsequent manufacturers. Questions dealing with what is covered under the definition of a "vehicle" in the standards and the specific application of the Act or the standards to your business should be discussed with your legal counsel. This is particularly so in light of EPA's broad definition of a "vehicle."

The standards or interpretations of such standards are subject to change by EPA. New standards or amendments issued by the Environmental Protection Agency appear in the Federal Register from time to time. You may obtain the Federal Register through the Superintendent of Documents, U.S. Government Building Office, Washington, D.C. 20402.

NOTE: Model and option weight information is available in the GM Medium Duty Data Book. Contact your local GM dealer for assistance.

Method of Certification

Incomplete Vehicles

Will have a label affixed to the Document for Incomplete Vehicles. This is placed in a clear container and shipped with the incomplete vehicle from the factory.

DOCUMENT
FOR
INCOMPLETE VEHICLE

PLACE
LABEL
HERE

This document is furnished as required by government regulation to aid intermediate and final stage manufacturers in determining conformity to applicable Federal Motor Vehicle Safety Standards. Also included are instructions which must be followed in order to assure that Environmental Protection Agency (EPA) and California emission certification requirements and NHTSA Fuel Economy Regulations are met. As a result of certifying Heavy Duty Vehicles with GVW's up to 10,000 pounds by Federal Light Duty Emission Standards, Part II of this document – U.S. EPA and California Exhaust & Evaporative Emission Requirements and NHTSA Fuel Economy Regulations–has been significantly revised and should be reviewed. This document is not a substitute for knowledge and understanding of the requirements of these standards and regulations. Intermediate and final stage manufacturers should be familiar with all Federal Motor Vehicle Safety Standards and Emission Regulations to be aware of their specific responsibilities as manufacturers.

Any manufacturer making material alterations to this incomplete vehicle during the process of manufacturing the complete vehicle should be constantly vigilant to recognize all the effects, either direct or indirect, on other components, assemblies or systems caused by each such alteration. No alteration should be made to the incomplete vehicle which either directly or indirectly results in any component, assembly or system being in nonconformance with any applicable Federal Motor Vehicle Safety Standard or Emission Regulation.

CANADA MOTOR VEHICLE SAFETY STANDARDS

The following statement, which is required by Section 6.(4) (a) of the Canada Motor Vehicle Safety Regulations is applicable only to incomplete vehicles manufactured in or imported to Canada:

THIS INCOMPLETE VEHICLE CONFORMS TO THE APPLICABLE CANADA MOTOR VEHICLE SAFETY STANDARDS IN EFFECT ON THE DATE OF ITS MANUFACTURE SHOWN ABOVE. THE STANDARDS TO WHICH THIS INCOMPLETE VEHICLE CONFORMS IN FULL ARE DESIGNATED IN THE LIST OF FEDERAL MOTOR VEHICLE SAFETY STANDARDS ON PAGE 3 BY AN ASTERISK (*) IN THE COLUMN FOR THE BASIC TYPE OF INCOMPLETE VEHICLE.

GM

Printed in U.S.A.

Vehicle Classification and GM Application

Model	Application	Vehicle Classification	
		MPV	Truck**
W3S042	All models		X
W4S042	All models		X
W5R042	All models		X
(C6H-C7H)042	All models		X
C7H064	All models		X
(F6B–F7B)042	All models		X
F7B064	All models		X

* MPV is a vehicle with 2 or 3 rows of seats

^ MPV Classification may apply only when unit is completed as a Recreation Vehicle (Camper)

** It is assumed that Cab and Chassis only will be completed as a truck. Chassis only with RPO B3D or B3M will be completed into a school bus.

Federal Regulations – Tires

The National Highway Traffic Safety Administration has issued regulations dealing with tire identification and record keeping which became effective May 22, 1971. Under these regulations important legal responsibilities are imposed upon tire manufacturers, brand name owners, retreaders, distributors and dealers, and motor vehicle manufacturers and dealers, to maintain and/or report certain information concerning tires. This information will be used to facilitate interest of safety. If you have any questions concerning the application of these regulations to your business, we suggest you consult with your attorney.

In order for GM to meet its responsibility under these tire regulations we have a record of the tires on each vehicle we shipped to you. If you do not change a tire on a GM vehicle, it is important that you make sure that it is reshipped with the same tires that were on it when the vehicle was received by you. This will mean that any tires which you remove from a vehicle during the course of your work should be put back on the same vehicle.

If you do change a tire on a GM vehicle, it is necessary that you furnish us with such information on vehicles which are returned to us after you have completed your work. It is important that you report to us the full tire identification number (TIN) for each tire you install and the full vehicle identification number (VIN) of the vehicle on which the tire is installed.

If you change a tire on a GM vehicle which is not returned to us, you may be responsible for maintaining records of the vehicle identification number (VIN) and the vehicle owner to allow notification, through your records, it tire problems are found.

In case you should receive a defect notification from a tire manufacturer concerning tires which you installed on vehicle returned to us, you may forward it to us so that we can send it to the vehicle owner whose name will appear on our records.

Chevrolet Regions Sales/Service – Commercial/Personal Use

Region	Zone	Mailing Address	Telephone	
			Truck	Commercial
Northeast	Boston	100 Foxborough Blvd. Foxborough, MA 02035	(508) 698-6023	(508) 698-6084
Eastern	Philadelphia	P.O. Box 9015 Wayne, PA 19087	(610) 296-6637	(610) 296-6640
Mid-Atlantic	Charlotte	P.O. Box 30548 Charlotte, NC 28230	(704) 551-2714	(704) 551-2704
North Central	Detroit	P.O. Box 33108 Detroit, MI 48232-3008	(313) 974-1479	(313) 974-1042
Mid-East	Cincinnati	P.O. Box 465615 Cincinnati, OH 45246	(513) 552-3842	(513) 552-3812
Southeast	Atlanta	P.O. Box 50282 Atlanta, GA 30302	(404) 257-3650	(404) 257-3922
South Central	Memphis	P.O. Box 171802 Memphis, TN 38187-1802	(901) 746-7001	(901) 746-7068
Great Lakes	Chicago	P.O. Box 3005 Naperville, IL 60566-7005	—	(603) 961-6372
Northern	Minneapolis	P.O. Box 509 Minneapolis, MN 55440	(612) 830-4358	(612) 830-4334
Southwest	Dallas	P.O. Box 660115 Dallas, TX 75266-0115	(972) 541-5420	(972) 541-5431
Midwest	Kansas City	P.O. Box 419348 Kansas City, MO 64141	(913) 451-4119	(913) 451-4386
Rocky Mountain	Denver	P.O. Box 5520 Denver, CO 80217-5520	(303) 930-5722	(303) 930-5730
Pacific Coast	San Francisco	P.O. Box 23550 Oakland, CA 94623	(510) 498-5036	(510) 498-5175
Western	Los Angeles	P.O. Box Box 5053 Thousand Oaks, CA 91359-5053	(805) 373-8421	(805) 373-9687

Pontiac/GMC Regions Sales/Service – Commercial/Personal Use

Region	Zone	Mailing Address	Telephone
North East	New York	2500 Westchester Ave.* P.O. Box 0890, Purchase, New York 10577-0890	Ph: (914) 251-5235 Fx: (914) 251-5015
	Boston	1700 W. Park Drive, First Floor, Westborough, MA 01581	Ph: (508) 871-7703 Fx: (508) 871-7716
Eastern	Philadelphia	851 Duportall Road P.O. Box 9025, Wayne, PA 19087	Ph: (610) 296-6560 Fx: (610) 251-1351
	Pittsburgh	3104 Unionville Road, Suite 100, Cranberry Twp., PA 16066	Ph: (412) 742-4216 Fx: (412) 742-4238
Mid-Atlantic	Washington	1395 Picard Avenue P.O. Box 6060, Rockville, MD 20850-4306	Ph: (301) 258-1503 Fx: (301) 258-1549
	Charlotte	The Rotunda Building, Suite 110, Box 117 4201 Congress Street, Charlotte, NC 28209	Ph: (704) 551-2798/2751 Fx: (704) 551-2794
North Central	Detroit	New Center One Building* 3031 W. Grand Blvd. P.O. Box 33110, Detroit, MI 48202	Ph: (313) 974-1998 Fx: (313) 974-7701
	Cleveland	24950 Country Club Dr., Suite 333 North Olmsted, OH 44070	Ph: (216) 779-3171 Fx: (216) 779-3171
Mid-East	Cincinnati	Tri–County Parkway P.O. Box 465616, Cincinnati, OH	Ph: (513) 552-3869 Fx: (513) 552-3955
Southeast	Atlanta	5730 Glenridge Drive, Suite 203* P.O. Box 50267, Atlanta, GA 30302	Ph: (404) 257-3660 Fx: (404) 257-3595
	Orlando	2250 Lucien Way, Suite 24 Maitland, FL 32751	Ph: (407) 667-3434 Fx: (407) 667-3432
South Central	Memphis	8275 Tournament Drive, Suite 270 Memphis, TN 38125-8866	Ph: (901) 748-6400 Fx: (901) 748-6403
Great Lakes	Chicago	387 Shuman Boulevard, Suite 350E P.O. Box 3006, Naperville, IL 60566-7006	Ph: (630) 961-6322 Fx: (630) 961-6471
Northern	Minneapolis	3800 W. 80th Street, Suite 930 Minneapolis, MN 55431	Ph: (612) 931-0399 Fx: (612) 831-6673

Region	Zone	Mailing Address	Telephone
Southwest	Dallas	130 E. Carpenter Freeway, Suite 275 Irving, TX 77060	Ph: (972) 541-5030 Fx: (972) 541-5053
		515 Martin Street, Suite 203*, Dallas, TX 91360	Ph: (805) 379-9550
	Houston	2 Northpointe Drive, Suite 605 Houston, TX 77060	Ph: (805) 379-9550 Fx: (281) 272-4640
Midwest	Kansas City	10800 Farley Overland Park, KS 66210	Ph: (913) 451-4230 Fx: (913) 451-4233
Rocky Mountain	Denver	5460 S. Quebec, Suite 340 Englewood, CO 80111-1904	Ph: (303) 930-5880 Fx: (303) 930-5930
Pacific Coast	San Francisco	39465 Paseo Padra Pkwy., Suite 3100 Fremont, CA 94538	Ph: (510) 498-5227 Fx: (510) 498-5238
	Seattle	10900 N.E. 4th Street, Suite 1630 Bellevue, WA 98004	Ph: (425) 452-3265 Fx: (425) 452-3298
Western	Los Angeles	515 Marin Street, Suite 118 P.O. Box 5015, Thousand Oaks, CA 91360	Ph: (805) 373-9550 Fx: (805) 494-0650
	Phoenix	9630 N. 25th Avenue, Suite 115 Phoenix, AZ 85021	Ph: (602) 336-3416 Fx: (602) 336-3418

* GMC commercial use regions sales/service

WEIGHTS AND MEASURES

Standard Weights and Measures		
Length		
12 inches	=	1 foot
3 feet	=	1 yard
5 1/2 yards	=	16 1/2 feet
	=	1 rod
1760 yards	=	5820 feet
	=	1 mile
Area		
144 square inches	=	1 square foot
9 square feet	=	1 square yard
30 1/2 sq. yards	=	1 square rod
160 sq. rods	=	43,560 sq. feet or 1 acre
640 acres	=	27,878,400 sq. feet or 1 sq. mile
1 circular inch	=	Area of circle 1 in diameter
1 square inch	=	1.2732 circular inches
Volume		
1728 cubic inches	=	1 cubic foot
27 cubic feet	=	1 cubic yard
1 cord wood	=	128 cubic feet. One cord is 8 feet long, 4 feet wide and 4 feet high
1 board foot	=	144 cubic inches or volume of board 1 foot square and 1 inch thick
1 cylindrical inch	=	Volume of cylinder 1 inch in diameter and 1 inch long or 0.7854 cubic inch
1 cubic inch	=	1.2732 cylindrical inches
Liquid or Fluid Measures		
4 gills (16 fluid ounces)	=	1 pint
2 pints	=	1 quart
4 quarts	=	1 gallon
31 11/32 gallons	=	1 barrel (there is no standard liquid 'barrel')
1 U.S. gallon	=	231 cubic inches or 0.13373 cubic feet
7.4805 gallons	=	1 cubic foot
When water is at its maximum density, 1 cubic foot weighs 62.428 pounds and 1 gallon weighs 8.345 pounds. For approximations, 1 cubic foot of water equals 7 1/2 gallons.		

Dry Measure		
2 pints	=	1 quart
8 quarts	=	1 peck
4 pecks	=	1 bushel
1 U.S. bushel	=	2150.42 cubic inches
	=	1.2445 cubic feet
1 cubic yard	=	21.7 U.S. bushels (approximate)
Measures of Angles or Arcs		
60 seconds (")	=	1 minute (')
60 minutes (')	=	1 degree (°)
90 degrees (°)	=	1 right angle or quadrant
360 degrees (°)	=	1 circle
Avoirdupois Weight (U.S.)		
437.5 grains (16 drams)	=	1 ounce
16 ounces	=	1 pound
100 pounds	=	1 hundred weight
2000 pounds	=	1 ton
2240 pounds	=	1 long ton

Metric Weights and Measures		
Length		
10 millimeters (mm.)	=	1 centimeter
10 centimeters (cm.)	=	1 decimeter
10 decimeters (dm.)	=	100 centimeters
	=	1 meter
1000 meters (m.)	=	1 kilometer (km.)
Area		
100 square millimeters (sq. mm.)	=	1 square centimeter
100 square centimeter (sp. cm.)	=	1 square decimeter
100 square decimeters (sq. dm.)	=	1 square meter
Volume		
1000 cubic millimeters (cu. mm.)	=	1 cubic centimeter
1000 cubic centimeters (cu. mm.)	=	1 cubic decimeter
1000 cubic decimeters (cu. mm.)	=	1 cubic meter
Capacity		
10 milliliters (ml.)	=	1 centiliter
10 centiliters (cl.)	=	1 deciliter
10 deciliters (dl.)	=	100 centiliter or 1 liter
1000 liters (l.)	=	1 kiloliter
Weight		
10 milligrams (mg.)	=	1 centigram
10 centigrams (cg.)	=	1 decigram
10 decigrams (dg.)	=	100 centigrams 1 gram
1000 grams (g.)	=	1 kilogram
1000 kilograms (kg.)	=	1 ton (metric)
1000 cubic centimeters (cu. cm.)	=	1 cubic decimeter
1000 cubic decimeters (cu. dm.)	=	1 cubic meter

Equivalent Weights and Measures		
Length		
1 inch	=	2.54 centimeters
1 foot	=	30.48 centimeters
1 yard	=	0.9144 meters
1 mile	=	1.609 kilometers
1 centimeter	=	0.3937 inch
1 meter	=	39.37 inches or 3.281 feet
1 kilometer	=	0.6214 mile or 1093.3 yards
Area		
1 square inch	=	6.452 sq. centimeters
1 square foot	=	0.093 square meter
1 square yard	=	0.836 square meter
1 acre	=	4047 square meters
1 square mile	=	2.59 square kilometers
1 square centimeter	=	0.155 square inch
1 square meter	=	10.76 square feet
1 square kilometer	=	0.3861 square mile
Volume		
1 cubic inch	=	16.39 cubic centimeters
1 cubic foot	=	0.0283 cubic meter
1 cubic yard	=	0.7646 cubic meter
1 (U.S.) gallon	=	3.785 liters
1 cubic centimeter	=	0.061 cubic inch
1 cubic meter	=	35.31 cubic feet
1 liter	=	61.02 cubic inches or 0.2642 gallons

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Weight		
1 ounce	=	28.35 grams
1 pound	=	0.4536 kilograms
1 ton	=	907.2 kilograms
1 gram	=	15.43 grains
1 kilogram	=	2.205 pounds
1 metric ton	=	2205 pounds

Decimal Equivalents of Parts of an Inch			
1/64	0.015625	33/64	0.515625
1/32	0.03125	17/32	0.53125
3/64	0.046875	35/64	0.546875
1/16	0.0625	9/16	0.5625
5/64	0.078125	37/64	0.578125
3/32	0.09375	19/32	0.59375
7/64	0.109375	39/64	0.609375
1/8	0.125	5/8	0.625
9/64	0.140625	41/64	0.640625
5/32	0.15625	21/32	0.65626
11/64	0.171875	43/64	0.671875
3/16	0.1875	11/16	0.6875
13/64	0.203125	45/64	0.703125
7/32	0.21875	23/32	0.71875
15/64	0.234375	47/64	0.734375
1/4	0.25	3/4	0.75
17/64	0.265625	49/64	0.765625
9/32	0.28125	25/32	0.781255
19/64	0.296875	51/64	0.796875
5/16	0.3125	13/16	0.8125
21/64	0.328125	53/64	0.828125
11/32	0.34375	27/32	0.84375
23/64	0.359375	55/64	0.859375
3/8	0.375	7/8	0.875
25/64	0.309625	57/64	0.890625
13/32	0.40625	29/32	0.90625
27/64	0.421875	59/64	0.921875
7/16	0.4375	15/16	0.9375
29/64	0.453125	61/64	0.953125
15/32	0.46875	31/32	0.96875
31/64	0.484375	63/64	0.984375
1/2	0.5	1	1.0

Approximate Weight of Materials

Most materials and commodities vary in weight and containers vary in shape and size. Therefore it is impossible to list any but average weights per cubic foot or per unit of measurement and the following weights should be used only or approximation purposes. When it is necessary to figure weights accurately for recommendation of truck or tractor-trailer equipment, exact weights and dimensions should be obtained from local sources. This is particularly true of fruits and vegetables, containers for which vary widely in type, size and shape according to commodity and locality.

Building Supplies, other than lumber and stone

	Pounds per	
	Cu. Ft.	Cu. Yd.
Asbestos	153	4130
Asphalt		
Brick	125	3375
Lumps	85	2300
Paving	100	2700
Cinders	50	1350
Clay(dry lumps)	85	2300
Wet lumps	110	2970
Wet packed	135	3650
Fire	125	3375
Concrete		
Cinder or slag	120	3250
Gravel or stone	150	4050
Ave. wet mi x	138	3730
Crushed stone, ave.	100	2700
Earth(loam)-loose	76	2050
Shaken	87	2350
Packed	95	2565
Moist	100	2700
Wet	125	3375
Gravel-dry	95	2565
Wet	125	3375
Motor-lime	110	2970
Rubble-dry	138	3730
Wet	154	4160
Pitch	70	1900
Plaster of Paris (gypsum)	150	4050
Quicklime-solid	95	2550
Ground-loose	55	1485
Shaken	75	2030
Rock crushed, ave.	100	2700
Sand-fine-dry	110	2970
Wet	125	3735
Course-dry	95	2565
Wet	120	3240
Tar	65	1755
Terra Cotta	110	2970
Tile-solid	115	3100
Construction	40	1080
Brick		Thousand
Soft, 2.5 x 4 x 8.25		4320
Common, 2.25 x 4 8.25		5400
Hard, 2.25 x 4.25 x 8.5		6480
Pressed, 2.375 x 4 x 8.375		7500
Paving, 2.5 x 4 x 8.5		6750
Paving block, 3.5 x 4.5 x 8.5		8750
Fire, 2.5 x 4.5 x 9		7000
Cement block		
8 x 8 x 16	42	each
8 x 12 x 16	58	each
Cinder block		
8 x 8 x 16	35	each
8 x 12 x 16	45	each
Glass		
Common window	162	cu. ft.
Plate, 1/4 thick	3.3	sq. ft.
Lime-		
Small barrel	210	barrel
Large barrel	320	barrel

Farm and Dairy Products, except Fruits and Vegetables

	Pounds	Per
Alfalfa seed	60	bushel
Barley	48	bushel
Bran	20	bushel
Buckwheat	49	bushel
Butter-15 dia x 15	25	tub
15 dia. x 15	70	tub
10.25 x 8.75 x 10.5	32	case
(30 lb.) bricks		
9 lb. pail	10	each
Calf, live (avg.)	150	head
Cheese-15 dia x 5.25	25	box
15 dia. x 7.5	35	box
15 dia x 15	70	box
Chickens		
Live-broilers (20 avg.)	58	crate
Fowl (12 avg.)	78	crate
Std. crate, empty		
24 x 35 x 13	18	each

GENERAL INFORMATION

Clover seed	60	bushel
	Pounds	**Per**
Corn-ear	35	bushel
Shelled	56	bushel
Sweet corn(green)	43	bushel
Corn Meal	44	bushel
Cotton		
Gin bale, 20 x 48 x 54	515	each
Std. bale, 24 x 28 x 56	515	each
Comp bale, 20 x 24 x 56	515	each
Cotton seed	32	bushel
Cow, live-feeder (avg.)	600	head
Butcher (avg.)	800	head
Heavy steer (avg.)	1000	head
Eggs, 30 doz.		
12 x 12 x 26	55	crate
Fla x seed	56	bushel
Flour, 19 1/8 head, 30 stave	215	barrel
Hay, baled		
17 x 22 x 40	60	bale
14 x 16 x 43	85	bale
Hemp seed	44	bushel
Hog, live (avg.)	235	head
Horse, live (avg.)	1350	head
Ice cream		
2.5 gal., 9 dia x 11	18	can
5 gal., 9 dia x 21	35	can
Lamb, live (avg.)	80	head
Malt-barley	28	bushel
Rye	32	bushel
Brewer's grain	40	bushel
Millet	50	bushel
Oats	32	bushel
Popcorn-ear	35	bushel
Shelled	56	bushel
Rice, unhulled	43	bushel
Rye	56	bushel
Sheep, live (avg.)	138	each
Shorts	20	bushel
Soy beans	60	bushel
Straw, baled		
17 x 22 x 40	45	bale
Tallow	60	cu. ft.
Timothy seed	45	bushel
Vetch seed	60	bushel
Wheat, bulk	60	bushel
Bag	90	1.5 bushel
Wool, pressed	82	cu. ft.

Fruits, Vegetables and Nuts (In bulk, unless container specified)

	Size Container	**Lbs. Per Bushel or Container**
Apples, fresh	bushel	48
Western, box	11.5 x 12 x 20	50
New England, box	11.25 x 14.25 x 17.5	56
Standard barrel	17hc. 28.5 stone	160
Apricots, fresh	bushel	48
Western, box	5.5 x 12 x 20	23
Artichokes, box	10 x 11.5 x 22	44
Asparagus, pr. crate	11.5 high 19.375 long,	
Loose	9.75 wide top, 11 bot-	38
Bunches	tom	31
Avocados-box	5.75 x 11.25 x 17.5	16
Bananas-carton	4.25 x 14.25 x 30	38
Single stem	bunch	55
Beans, dry-castor	bushel	46
White	bushel	60
Lima	bushel	56
Fresh-lima	bushel	39
String	bushel	36
(Hamper) string	5 peck	45
Beets (avg.)	bushel	55
Small crate	9.75 x 13.25 x 24	50
Western crate	14 x 19 x 24.5	95
Berries-crate 24 pt	9.75 x 9.75 x 20	25
24 qt.	11.75 x 11.75 x 24	48
32 at.	15.5 x 11.75 x 24	63
Broccoli-bu. crate	12.75 x 12.75 x 17	30
Burssel sprouts, crate	7.75 x 10.75 x 21.375	26
Cabbage-hamper	1.5 bushel	58
Crate	12.75 x 18.5 x 19	60
Western crate	14 x 19 x 24.5	85
Bbl. crate	12.75 x 18.75 x 37.375	110
Cantaloupe, crate		
Pony	11.75 x 11.75 x 23.5	58
Standard	12.75 x 12.75 x 23.5	68
Jumbo	13.75 x 13.75 x 23.5	78
Pony flat	4.75 x 12.75 x 23.5	26
Standard flat	5.25 x 14.25 x 23.5	28
Jumbo flat	5.75 x 15.25 x 23.5	32
Carrots-topped	bushel	55
With tops	bushel	40
Crate	11.75 x 14.125 x 24	60
Cauliflower	bushel	30
Crate	9.375 x 19 x 24	50
Celery-std. crate	11.625 x 22 x 22.625	70
1/2 crate	10.75 x 13 x 20.375	35
Northern crate	16.5 x 21.25 x 22	85

	Size Container	**Lbs. Per Bushel or Container**
Cherries-unstemmed	bushel	56
Stemmed	bushel	64
Lug box	5.625 x 11.875 x 19.75	17
Chestnuts	bushel	50
Cranberries		
1/4 bbl. box	9.5 x 11 x 14	28
1/2 bbl. box	12.5 x 14.75 x 22	60
Cucumbers	bushel	55
Crate	9.75 x 13.75 x 24	75
Case	5 x 13.25 x 19	26
Eggplant-hamper	bushel	40
Crate	14 x 11.75 x 24	54
Endive-basket	bushel	25
Hamper	1.5 bushel	36
Grapefruit-Wstrn box	11.5 x 11.5 x 24	68
Southern box	12.75 x 12.75 x 27	90
Grapes-basket	bushel	48
Lug box	5.375 x 16.375 x 17.5	30
Western box	15.5 x dia x 14	45
Basket	12 quarts	18
Greens	bushel	25
Hickory nuts	bushel	45
Horseradish roots	bushel	35
Kale	bushel	25
Lemons, Limes-		
Western box	10 x 13 x 25	80
Southern box	12.75 x 12.75 x 27	90
Lentils	bushel	60
Lettuce-hamper	bushel	25
Hamper	1.5 bushel	38
Basket	8.5 x 11.75 x 21.375	17
Crate	13.75 x 17.5 x 24.5	75
1/2 crate	9.5 x 13.5 x 24.5	40
Okra-hamper	.5 bushel	18
Hamper	bushel	34
Onions-dry-basket	bushel	55
Bag	17 x 32	50
Crate	20.5 x 11.5 x 10.5	58
Green, with tops	bushel	32
Oranges-Wstrn box	11.5 x 11.5 x 24	80
Southern box	12.75 x 12.75 x 27	90
Bushel box	10.75 x 10.75 x 23.5	65
Parsley-bushel crate	12.75 x 12.75 x 17	30
Parsnips	bushel	48

GENERAL INFORMATION

	Size Container	Lbs. Per Bushel or Container
Peaches-basket	bushel	48
Basket	.5 bushel	25
Crate	10.5 x 11.25 x 24	50
Western box	5.5 x 11.25 x 24	22
Peanuts, unshelled	bushel	22
Bag		100
Pears-basket	bushel	50
Western box	9.625 x 12.125 x 19.75	51
Peas-dry	bushel	60
Fresh-hamper	bushel	35
Hamper	40 quarts	45
Pecans-large bag		100
Small bag		50
Peppers-basket	bushel	25
Crate	14.125 x 11.75 x 24	45
Pineapples-crate	11 x 12.5 x 36	85
Plums-basket	bushel	56
Western box	5.625 x 16.375 x 17.5	25
Potatoes-sweet	bushel	55
White or irish	bushel	60
Bag	1 2/3 bushel	102
Barrel	barrel	185
Prunes-box	5.625 x 16.375 x 17.5	25
Quinces	bushel	50
Radishes-basket	bushel	34
Crate	9.75 x 13.75 x 24	40
Rhubarb-box	5.125 x 11.5 x 22	24
Romaine-crate	13.875 x18.875 x 24.5	64
Crate	12.25 x 13 x 15.25	27
Rutabagas	bushel	56
Spinach	bushel	27
Squash	bushel	46
Sweet corn-basket	bushel	45
Crate	13 x 13 x 24	60
Tomatoes-basket	bushel	55
Lug box	7.25 x 14 x 17.5	35
Crate	10.5 x 11.25 x 24	48
Basket	8.5 x 8.75 x 20	18
Turnips	bushel	54
Walnuts-bulk	bushel	50
Bag		100

Liquids		
	Pounds Per	
	Cu. ft.	Gallon
Acetone	50	6.6
Alcohol, commercial	51	6.8
Asphalt, hot oil	71	9.5
Carbolic acid	60	8.0
Castor oil	61	8.1
Chloroform	95	12.7
Coconut oil	58	7.8
Corn oil	58	7.8
Corn syrup	86	11.5
Cotton seed oil	58	7.8
Cream	64	8.5
Creosote	69	9.2
Crude oil	56	7.5
Ether	46	6.2
Fuel oil-Diesel	52	7.0
Fuel oil-Furnace	56	7.5
Gasoline	45	6.0
Glycerine	79	10.5
Honey	90	12.0
Kerosene	50	6.6
Linseed oil	59	7.9
Lubricating	52	7.0
Maple syrup	82	11.0
Milk, bulk	64	8.6
Molasses	90	12.0
Muriatic acid, 40%	40	10.0
Naphtha, petroleum	42	5.6
Nitric acid, 91%	94	12.5
Olive oil	58	7.7
Peanut oil	57	7.6
Petroleum	56	7.5
Sorghum syrup	86	11.5
Soybean oil	58	7.7
Sugar cane syrup	85	11.3
Sulfuric acid, 87%	112	15.0
Turpentine	54	7.3
Vinegar	64	8.5
Water, fresh	63	8.4

	Size Container	Lbs. Per Container
Beer-wood barrel	.25 barrel	
Steel barrel	.25 barrel	
Wood barrel	.25 barrel	
Steel barrel	.25 barrel	
Carton 24 12oz.		
Regular bottles	17.25 x 11.5 x 9.875	
Steinie bottles	18.375 x 12.125 x 7.375	
Tin cans	16.25 x 11 x 5.125	
Wood case-24 12oz		
Regular bottles	21 x 13.5 x 10	
Steine bottles	22 x 13.75 x 7.5	

Note: Beer cases are of many types with variable size and weight. Cases shown are average for popular full depth type with partitions.

	Size Container	Lbs. Per Container
Milk-5 gal. can	10.25 dia x 19	62
10 gal. can	13 dia x 23	115
Crate-21.5 pt bottles		33
20 pt. bottles		54
12 qt. bottles		64

Note: Milk bottle crates vary widely in dimensions and weights. Those shown are average weights.

	Size Container	Lbs. Per Container
Molasses-50 gal. bbl.	20.25 hd., 34 stave	675
Soft drinks		
Half depth bottle box		
24-6 to 8 oz bottles	12.25 x 18.75 x 8.5	39
Full depth bottle box		
12-24 to 32 oz. btls	13.375 x 18.5 x 12.25	60

Lumber-Air Dried		
Kiln dried lumber averages 10% to 15% lighter, and green lumber 40% to 50% heavier than air dried.		
	Pounds Per	
	Cu.	Thousand Board Ft.
Ash-black or red	40	3330
White	46	3830
Bamboo	22	
Basswood	30	2500
Beech	30	2500
Birch	48	4000
Butternut	30	2500
Cedar	30	2500
Cherry	44	3670
Chestnut	37	3080

GENERAL INFORMATION

	Pounds Per	
	Cu.	Thousand Board Ft.
Cottonwood	37	3080
Cypress	30	2500
Elm-soft Rock	38 45	3170 3750
Fir-Douglas Eastern	32 25	2670 2080
Gum	40	3330
Hemlock	29	2420
Hickory	54	4500
Locust	42	3500
Mahogany	42	3500
Maple-hard soft	44 34	3670 2830
Oak-black Red White	42 42 48	3500 3500 4080
Pine-long leaf North Carolina Oregon Red White Yellow-Northern Southern Short leaf Long leaf	44 36 32 30 26 34 45 38 44	3670 3000 2670 2500 2170 2830 3750 3170 3670
Poplar	27	2250
Redwood	30	2500
Spruce	28	2330
Sycamore	37	3080
Walnut	43	3580
Willow	31	2580
Lath-Standard length 29 in. Put up in bundles of 50. Ave. bundle; dia. 9 in., weight 25 lbs.		
Shingles-Bundles contains the equivalent of 250 shingles, measures 24 x 20 x 10, ave. weight 50 lbs.		

Metals, Minerals, Ores, Rock, Stone, Coal		
	Pounds Per	
	Cu. Ft.	Cu. Yd.
Alabaster, gypseous	160	4320
Aluminum, pure	165	4450
Andesita stone	180	4850
Antimony	420	11650
Asbestos	153	4130
Babbit	440	11900
Barytes, mineral	280	7560
Basalt rock	185	5000
Bauxite	160	4320
Bluestone	120	3240
Borax	110	2970
Brass-cast Rolled Drawn	525 534 542	14175 14420 14635
Bronze	550	14850
Chalk	137	3700
Charcoal-oak pine	33 23	890 620
Coal, broken Anthracite Bituminous Pocahontas Cannel	 60 45 50 50	 1600 1200 1350 1350
Coke	27	730
Copper-cast Rolled	550 560	14850 15120
Diabase	185	5000
Dolomite	181	4890
Emery	250	6750
Feldspar	160	4320
Flint	185	5000
Gneiss-solid Crushed	160 95	4320 2565

	Pounds Per	
	Cu. Ft.	Cu. Yd.
Granite-solid Crushed	175 96	4725 2590
Graphite	170	4590
Greenstone-solid Crushed	187 107	5050 2900
Gypsum	150	4050
Iron-cast Wrought	450 485	12150 13100
Hornblend	187	5050
Lead-cast	710	19170
Limestone-solid Crushed	166 95	4480 2565
Magnesite	187	5050
Manganese	475	12825
Marble-solid Crushed	165 95	4455 2565
Marl	140	3800
Mercury	850	
Mica	185	5000
Nickel	537	14500
Ore: Most ores are 15% to 20% heavier than the rock which forms the bulk of the ore.		
Peat	50	1350
Phosphate rock	200	5400
Porcelain	150	4050
Porphyry	172	4645
Pumice	40	1080
Pyrites	315	8500
Quartz	165	4455
Rip-rap stone	65	1750
Salt-rock, solid Very coarse Coarse Fine Barrel, .	136 35 45 50 280	3670 950 1215 1350 per bbl.
Saltpeter	69	1860

	Pounds Per	
	Cu. Ft.	Cu. Yd.
Sandstone-solid	147	3970
Crushed	86	2325
Shale-solid	172	4645
Crushed	92	2485
Silica	135	3650
Slag-solid	175	4750
Crushed	75	2025
Screenings	100	2700
Slate	175	4725
Soapstone	169	4565
Steel-cast	490	13250
Rolled	495	13365

	Pounds Per	
	Cu. Ft.	Cu. Yd.
Stone-crushed, avg.	100	2700
Sulphur	125	3375
Talc	170	4600
Tin	460	12400
Trap rock	187	5050
Zinc	440	11880
Miscellaneous		
	Pounds per	
	Cu. Ft.	Cu. Yd.
Ashes, cool (packed)	45	1215
Bone	115	3110

	Pounds per	
	Cu. Ft.	Cu. Yd.
Cork	15	405
Furniture	6	160
Garbage		
Dry, paper wrapped	15-30	400-800
Wet	50	1240
Groceries-misc.	30	810
Ice	57	1540
Paper-solid, avg.	58	1565
Rubber goods	94	2540
Snow, moist-packed	50	1350
Street sweepings	32	865

Metric/U.S. Customary Conversion Table

	Multiply	By	To Get/Multiply	By	To Get
Linear	inches	x 25.4	millimeters (mm)	x 0.03937	inches
	inches	x 2.54	centimeters (cm)	x 0.3937	inches
	feet	x 0.3048	meters (m)	x 3.281	feet
Area	square inches	x 645.16	square millimeters (sq. mm)	x 0.00155	square inches
	square inches	x 6.452	square centimeters (sq. cm)	x 0.155	square inches
	square feet	x 0.0929	square meters (sq. m)	x 10.764	square feet
Volume	cubic inches	x 16387.0	cubic millimeters (cu. mm)	x 0.000061	cubic inches
	cubic inches	x 16.387	cubic centimeters (cu. cm)	x 0.06102	cubic inches
	cubic inches	x 0.01639	liters (l)	x 61.024	cubic inches
	quarts	x 0.94635	liters (l)	x 1.0567	quarts
	gallons	x 3.7854	liters (l)	x 0.2642	gallons
	cubic feet	x 28.317	liters (l)	x 0.03531	cubic feet
	cubic feet	x 0.02832	cubic meters (cu. m)	x 35.315	cubic feet
	fluid oz	x 29.57	milliliters (ml)	x 0.03381	fluid oz
Mass	ounces (av)	x 28.35	grams (g)	x 0.03527	ounces (av)
	pounds (av)	x 0.4536	kilograms (kg)	x 2.2046	pounds (av)
	tons (2000 lb)	x 907.18	kilograms (kg)	x 0.001102	tons (2000 lb)
	tons (2000 lb)	x 0.90718	tonne (t)	x 1.1023	tons (2000 lb)
Fuel Economy	miles/gal	x 0.42514	kilometers/liters (km/l)	x 2.3522	miles/gal
	gal/mile	x 2.3522	liters/kilometer (l/km)	x 0.42514	gal/mile
	gal/mile	x 235.22	liters/100 kilometers (1/100 km)	x 0.004251	gal/mile
Power	horsepower	x 0.746	kilowatts (kW)	x 1.34	horsepower
	ft-lb./min	x 0.0226	watts (W)	x 44.25	ft.-lb./min
Torque	pound-inches	x 0.11298	newton-meters (N-m)	x 8.851	pound-inches
	pound-feet	x 1.3558	newton-meters (N-m)	x 0.7376	pound-feet
Velocity	miles/hour	x 1.6093	kilometers/hour (km/h)	x 0.6214	miles/hour
	kilometers/hour	x 0.27778	meters/sec (m/s)	x 3.600	kilometers/hour
	miles/hour	x 0.4470	meters/sec (m/s)	x 2.237	miles/hour

Common Metric Prefixes

mega (M) = 1,000,000
kilo (k) = 1,000
centi (c) = 0.01
milli (m) = 0.001
hecto (h) = 100
micro (μ) = 0.000001

U.S. Imperial Gallon Comparison

1 U.S. Gallon = 0.833 Imperial Gallon
1 Imperial Gallon = 1.201 U.S. Gallon

MEDIUM DUTY TRUCK MODEL IDENTIFICATION SYSTEM

All 1998I & 1999 Medium Duty models are identified by this model designation system. Basically the designation consists of 7 characters. Definition of characters and an example for a TC7H064 are as follows:

1. Selling Division	2. Model Line	3. GVW Range	4. Cab Style	5. Constant 0 Line	6. & 7. Engine Order Code
T	C	7	H	0	64

1. Selling Division

C–Chevrolet
T–GMC Truck

2. Model Line

C–Medium Conventional
F–Medium Duty Forward Control
W–Medium Duty Forward Control

3. GVW Range (Load Capacity)

Truck Model	Transmission	GVWR (lbs)	GCWR (lbs)[1)]
W3500 Gas	Automatic	11,050	14,050
W4500 Gas	Automatic	14,050	17,050
W3500 Diesel	Automatic	12,000	18,000
W3500 Diesel	Manual	12,000	18,000
W4500 Diesel	Automatic	14,500	19,500
W4500 Diesel	Manual	14,500	20,500
W5500 Diesel	Automatic	16,500	19,500
W5500 Diesel	Manual	16,500	22,500

1) The W3500 Gas/Diesel are not approved for Hot Shot type applications.

4. Cab Style

H–104” BBC Conventional
S–68” BBC Tilt
R–77” BBC Tilt
B–86” BBC Tilt

5. Constant 0 Line

0–Constant for Future Expansion

6. Engine Order Code

42–4x2
64–6x4

7. Engine Order Code

42–4x2
64–6x4